

AUG 02 2007

PATENT

DN A01424

USSN 10/681,419

Amendment filed August 2, 2007

CLAIM LISTING / AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the present patent application:

1. (Currently Amended) A method for abating waste oxide gases from a waste oxide gas stream, the method comprising:

(a) providing a first industrial process, the first industrial process producing a waste oxide gas stream, the waste oxide gas stream comprising at least one waste oxide gas selected from the group consisting of nitrogen oxides, sulfur oxides and carbon oxides;

(b) providing a second industrial process selected from the group consisting of oxidation, partial oxidation, oxidative dehydrogenation, and ammoxidation, ~~the second industrial process being a different process than the first industrial process, the second industrial process and capable of~~ abating the quantity of said waste oxide gas stream, from the first industrial process, when said waste oxide gas stream is fed to said second industrial process as a feed stream; and

(c) feeding at least a portion of said waste oxide gas stream, from the first industrial process, as a feed stream, to said second industrial process.

2. (Currently Amended) The method for abating waste oxide gases from a waste oxide gas stream according to claim 1 wherein the first industrial process is chosen from the group consisting of a chemical manufacturing process, a combustion process, a process comprising a gas turbine, a high-temperature industrial manufacturing process, a process comprising an air compressor, a co-generation process, and a [[traditional]] waste oxide abatement system.

Claim 3 (Cancelled).

4. (Currently Amended) The method for abating waste oxide gases from a waste oxide gas stream according to claim 1 wherein the second industrial process is a process [[wherein]] comprising at least one composition selected from the group consisting of hydrogen, carbon oxides, nitrogen oxides, ammonia, hydrocarbons, and oxygen [[is routinely present]].